

INFORMATION ONLY

ROCKY FLATS ENVIRONMENTAL	Manual No .	RFP/ERM-94-00019
TECHNOLOGY SITE	Section No.	Table of Contents, R1
HEALTH AND SAFETY PLAN	Page:	1 of 1
ACCIDENT PREVENTION SAFETY	Effective Date	1/12/95
PROGRAM PLAN INT. OPER. UNITS	Organization:	Environmental Restoration Mgmt

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	Detailed Table of Contents	0	11/04/94
•95-DMR-ERM-0004	Personnel and Site Condition Changes to OU9 Affects sections 2,5,6,7,8,9,10,APPC	0	1/12/95
1 0	Introduction	0	11/04/94
2 0	Health and Safety Personnel	0	11/04/94
3 0	Facility Characteristics	0	11/04/94
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10 0	Emergency Response Plan	0	11/04/94
11 0	Logs, Reports, and Record Keeping	0	11/04/94
12 0	References	0	11/04/94
APPA	Appendix A Personal Protective Equipment and Monitoring Requirements	0	11/04/94
APPB	Appendix B Jacobs' Medical Surveillance Procedures	0	11/04/94
APPC	Appendix C Jacobs Engineering Group Standard Operating Procedures	0	11/04/94

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DOCUMENT CLASSIFICATION
PER R B HOFFMAN, CLASSIFICATION OFFICER
JUNE 11 1995

A-OU09-000167

INFORMATION DOCUMENT MODIFICATION REQUEST (DMR)

ONLY

95-AMR-

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Refer to 1-A01-PR-01 for Processing Instructions
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1 Date 12/9/94	25 DMR No 94-DMR <i>ERM-0004</i> <i>1/9/95</i>
3 New Document Number or Document Number if it is to be changed with this Revision N/A	
5 Document Title Integrated Operable Units Health & Safety Plan	

Existing Document Number/Revision RFP/ERM-94-00019		4 Originator's Name/Phone/Page/Location <i>James Peterson 9659 / 5472 / 080</i>
6 Document Type <input type="checkbox"/> Procedure <input checked="" type="checkbox"/> Other <i>H&S Plan</i>	7 Document Modification Type (Check only one) <input type="checkbox"/> New <input type="checkbox"/> Revision <input type="checkbox"/> Intent Change <input checked="" type="checkbox"/> Nonintent Change <input type="checkbox"/> Editorial Correction <input type="checkbox"/> Cancellation	

8 Item	9 Page	10 Step	11 Proposed Modifications
1	2-2	F2-1	Change names as shown on revised F2-1 OU9 Project Manager is John Zimmerman, Field Team Leader is Simon Bell, H&S Coordinator is Lisa Nelowet OU14 Project Manager is Bill Fieselman, HSS's are David Spruce, Tom Waddel
2	Sec 6 p 4	6 3	Delete 1st two sentences of Personal Sampling paragraph Modify third sentence to read as follows "Personal sampling will be conducted only when Level C action Levels are reached with direct reading instruments or when otherwise noted in Appendix A "
3	Sec 6 p 7	6 4 4	Insert new first sentence "Personal sampling will only be performed when directed to by EG&G Radiological Engineering "
4	Sec 6 p 8	6 4 6	Insert new first sentence "Ambient air sampling for airborne alpha radioactivity will only be performed when directed to by EG&G Radiological Engineering or if action levels for dust are exceeded in an RCA
5	Sec 5 p 42	5 5 9 1	Delete the word "strenuous" from the first sentence of "Heat Stress Monitoring and Work Cycle management " Delete "even if workers are not wearing impervious clothing " Delete "and body water loss" from 2nd paragraph under "Heat Stress Monitoring " Change "oral temperature" to "oral or ear canal temperature "
6	Sec 6 p 3	6 3	Delete paragraph 6, " The fact that contaminants are listed "

12 Justification (Reason for Modification EJO#, TP# etc) Incorporating changes to improve compliance with 29CFR1910 120 and reflect current personnel and site conditions

If modification is for a new procedure or a revision, list concurring disciplines in Block 13 and enter N/A in Blocks 14 and 15 If modification is for any type of change or a cancellation organizations are listed in Block 13 then Concurroe prints and signs in Block 14 and dates in Block 15

13 Organization	14 Print and Sign (if applicable)	15 Date (if applicable)
EOM	K D Anderson <i>[Signature]</i>	12/22/94
RE	D Hyder <i>[Signature]</i>	12/22/94
IH	M D Schreckengast <i>[Signature]</i>	1/3/95
IA OU	B D Peterman <i>[Signature]</i>	12/22/94
QA	R S. LUKER <i>[Signature]</i>	1/9/95

16 Originator's Supervisor (print sign/date) Bruce D Peterman <i>[Signature]</i> 12/22/94	17 Assigned SME/Phone/Page/Location Craig Cowdery/6953/5466/080 <i>[Signature]</i>	18 Cost Center 3113	19 Charge Number 96903600	20 Requested Completion Date 1/1/95	21 Effective Date 1/12/95
22 Accelerated Review? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	23 ORC Review N/A				
4 Responsible Manager (print sign date) Craig Cowdery <i>[Signature]</i> 12/22/94					

Received for Dist. at 3:40 1/9/95

REVIEWED FOR CLASSIFICATION/UCNI
BY NA
DATE NA

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25
DMR No 95-DMR-ERM-0004
Jan 17/95

2 or 3 Document Number/Revision RFP/ERM-94-00019			3 Document Title Integrated Operable Units Health & Safety Plan
8 Item	9 Page	10 Step	11 Proposed Modifications
7	Sec 9 p 2	9 1 1	Change "dispose of glove" to "dispose of outer gloves" Add bullet after "Remove respirator bullet" to read "Remove and dispose of inner gloves "
8	Sec 8 p 2	8 1 1	Change first paragraph to read "For activities to be conducted under this plan, personnel will wear Level D as defined in Section 8 1 3 " Delete paragraphs 2 and 3
9	Sec 8 p 5	8 1 3	Add bullet after dosimeter badge bullet to read "nitrile gloves if hand contact with potentially contaminated materials is likely "
10	Sec 5 p 14	5 2 2	Integrate new chemicals as shown into Section 5 2 2 alphabetically
11	Sec 5 p 2	5 2 Table 5-1	Integrate new chemicals as shown into Table 5-1 chemical Exposure Hazard Summary alphabetically
12	Sec 5 p 38	5 5 3	Change "Utility clearance will be completed before work begins " to "Utility clearance will be completed by the client before work begins "
13	Sec 5 p 38	5 5 3	Change (SOP 7 7) to read SOP 7 7a
14	Sec 5 p 38	5 5 3	Delete "which uses hand-augering to confirm the absence of buried utilities," Change the last sentence to read "A copy of Jacobs' SOP 7 7a is provided in Appendix C
15	Appendix C	SOP 7 7	Delete SOP 7 7, add new SOP 7 7a Utility Clearance at Rocky Flats Plan (7 pages)
16	Sec 7 p 4	7 1 5	The fourth bullet will read as follows "All visitors will receive a site specific safety briefing, and will be escorted at all times Visitors in areas requiring Level A B or C PPE must have the equivalent training and PPE as the onsite worker to gain entry "
17	Sec 7 p 4	7 1 5	Add bullet after above statement that reads, "Visitors in areas requiring Level D PPE must have Level D PPE, receive a site specific safety briefing, and will be escorted at all times
18	Sec 7 p 4	7 1 5	Add paragraph/sentence after "All site visitor access must be clearly documented " bullet to read "If visitor does not supply current documentation but insists that he/she enters area the following actions are to be taken "
19	Sec 7 p 4	7 1 5	Add bullet after above new statement to read, "On site HSS or HSST will shut down activities, secure area by monitoring with instrumentation, and contact HSO/HSS or Site Manager
20	Sec 7 pg 5	7 2	Is first sentence delete "heavy equipment or"
21	Sec 6 p 4	6 3	Add new text to end of <u>Action Levels</u> paragraph <u>When</u> action levels are reached which, according to Appendix A require "evacuation and reevaluation " site workers must move to an area where direct reading instrumentation shows airborne concentrations are below the action levels of concern The HSS/HSST must contact the Health & Safety Coordinator to determine further action

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DMR No.

95-DMR-ERM-0004
~~94-DMR~~ Jan 1/9/95

or 3 Document Number/Revision
 RFP/ERM 94-00019

3 Document Title
 Integrated Operable Units Health & Safety Plan

8 Item	9 Page	10 Step	11 Proposed Modifications
22	Sec 6 p 2	6 3	Add to end of 1st paragraph "All monitoring will be in the breathing zone unless otherwise specified in Appendix A "
23	Sec 10 p 2	10 2 1	Add EG&G Operations Manager Representative Change "Kent Mahana" to "Lisa Nelowet "
24	Sec 10 p 3	10 2 1	Add EG&G Operations Manager Representative
25	Sec 10 p 8	10 3 1	Add Operations Manager Representative, as listed in Tables 10-1, 10-2 must be notified of any unplanned releases
26	Sec 10 p 9	10 3 2	Change "Kent Mahana" to "Lisa Nelowet"
27	Sec 5 p 5-31	T5-4	Modify as shown
28	Sec 6 p 3	6 3	Replace "every 15 minutes" to "whenever site conditions change" in first paragraph
29		F7-1	Delete figure
30	Sec 7 p 5	7 2 1	Delete 1st sentence

12 Justification (Reason for Modification EJO# TP# etc)

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Section 9: 2	1/12/95	95-DMR-ERM-0004
Section 10: 2-3, 8-9	1/12/95	95-DMR-ERM-0004
Appendix C. SOP 77a	1/12/95	95-DMR-ERM-0004

will receive a copy of the PPE requirements. A change will be published to this plan if PPE changes are permanent and if the HSS/HSO considers the changes significant.

8.1.1 Base Levels of Protection

For activities to be conducted under this plan, personnel will wear Level D as defined in Section 8.1.3.

Protective clothing will be upgraded in the event that (1) free liquids or surface liquids are encountered, (2) gases or vapors are detected in excess of Level C action limits, or (3) unexpected hazards requiring increased skin protection are encountered. Upgraded clothing may consist of Tyvek, polycoated Tyvek or Saranex-coated Tyvek. Information to be used for upgrading chemical protective clothing is available in Appendix A under the PPE heading. Information provided under that heading represents upgraded requirements, not base requirements.

- boots (steel toe and shank chemical-resistant),
- work gloves (optional),
- safety glasses with side shields or chemical splash goggles,
- hard hat (when appropriate),
- air-purifying respirators (available for use),
- hearing protection (when appropriate),
- two-way radio communications if line of sight is not maintained (intrinsically safe);
- dosimeter badge, and
- nitrile gloves if hand contact with potentially contaminated materials is likely

Meeting all of these criteria allows the use of Level D protection

- no hazardous air pollutants are measured, and
- work functions preclude splashes, immersion, contact, or potential for unexpected inhalation of any chemicals

Level D protection is primarily a work uniform and will be worn only in areas where the potential for exposure to toxic substances does not occur. As data become available, PPE can be modified to Level D protection for a specific IHSS.

8.1.4 Level D Modified

Equipment to be considered Level D Modified includes equipment outlined in Section 8.1.3, with the following changes:

- outer disposable boots (optional),
- chemical-resistant clothing (Tyvek, polyethylene-coated Tyvek or Saranex coveralls),
- chemical-resistant outer gloves,
- latex inner gloves (surgical), and
- respirator (air purifying) available for use